

ABSTRACT

The present invention relates generally to microtiter plate format devices and methods for separating molecules having different net charges. The devices and methods of the invention are particularly suited for use in high-throughput screening to monitor enzymatic reactions which result in a product having an altered net charge. For example, the systems and methods disclosed herein may be used to detect the activity of phosphatases, proteases and kinases on various peptidic substrates under various conditions.

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